

ABSTRACT

5 In twin roll casting of steel strip, molten steel
is introduced into the nip 16B between parallel
casting rolls to create casting pool supported on
casting surfaces of the rolls and the rolls are
rotated to deliver solidified strip downwardly from
the nip. Casting surfaces are textured by a random
10 pattern of discrete projections, which may have an
average surface distribution of between 5 and 200
peaks per mm² and an average height of at least 10
microns. In order to suppress chatter defects, the
molten steel also has manganese content of at least
0.55% by weight and a silicon content in the range of
15 0.1 to 0.35% by weight. The strip is thus capable of
moving away from the casting pool at a speed of more
than 60 meters per minute without substantial high
speed chattering defects.

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